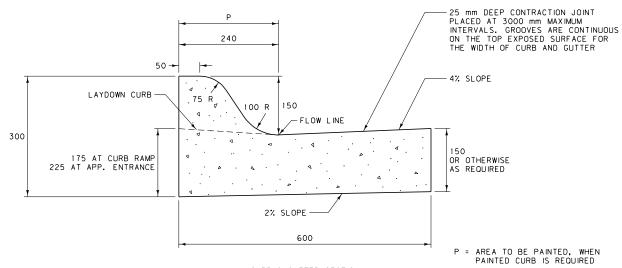


CONCRETE CURBS



CURB & GUTTER SECTION

O.110 m³ CONC. PER METER OF
CURB FOR 150 mm GUTTER. *

JOINTS:

(A) WHEN INTEGRAL WITH, TIED TO, OR PLACED AGAINST PORTLAND CEMENT CONCRETE PAVEMENT (P.C.C.P.): MATCH TRANSVERSE CONTRACTION AND/OR EXPANSION JOINTS IN THE ADJACENT P.C.C.P. SLAB. IF REQUIRED, EXTEND 13 mm MIN. WIDTH PREFORMED EXPANSION JOINTS COMPLETELY THROUGH CURB AND GUTTER THE SAME WIDTH AS THE P.C.C.P. SLAB JOINT. FILL CURB AND GUTTER EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER.

(B) ALL OTHER CASES:
SPACE CONTRACTION JOINTS IN CURB AND GUTTER AT 3000 mm
INTERVALS OR LESS EXCEPT AS SPECIFIED IN (A) ABOVE.
EXTEND 13 mm MIN. WIDTH EXPANSION JOINTS COMPLETELY
THROUGH CURB AND GUTTER EVERY 30 m (± 10 METERS), AT
INTERVALS EQUAL TO THE NEAREST MULTIPLE OF THE CONTRACTION
JOINT INTERVAL, AND FILL WITH EXPANSION JOINT FILLER.

(C) CONTRACTION JOINTS:
CONTRACTION JOINTS ARE 3 mm MIN. AND 10 mm MAX. IN WIDTH.
FORM JOINTS BY SAWING OR SCORING TO A MINIMUM DEPTH
OF 25 mm. FORM SCORED JOINTS BY A TOOL WHICH WILL LEAVE
ROUNDED CORNERS AND DESTROY AGGREGATE INTERLOCK TO
A MINIMUM DEPTH OF 25 mm.

(D) OTHER JOINTS:
SEPARATE THE CURB AND GUTTER FROM ADJACENT SIDEWALK
AT POINTS SHOWN ON DTL. DWG. NO. 608-05 WITH A BOND
BREAKER MATERIAL, EXCEPT AT APPROACH LAYDOWN CURB
LOCATIONS, WHICH REQUIRE SEPARATION USING 13 mm MIN. WIDTH
PREFORMED EXPANSION JOINT MATERIAL. PLACE 13 mm MIN. WIDTH
PREFORMED EXPANSION JOINT MATERIAL AT ALL CURB RETURNS,
BRIDGES, DROP INLETS, AND WHERE MEETING CURB AND GUTTER
IN PLACE.

EXPANSION JOINT FILLER MATERIAL:

USE PREFORMED EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STD. SPEC. 707.

BOND BREAKER MATERIAL:

USE A 6.8 OR 13.6 KILOGRAM ROOFING FELT MATERIAL, OR OTHER PRODUCT AS APPROVED BY THE ENGINEER DO NOT USE EXPANSION JOINT MATERIAL.

RADII

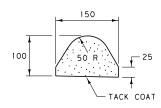
MINIMUM CURB RETURN RADII = 3050 mm. 4575 mm RADII ARE DESIRABLE FOR STREETS.

CONCRETE:

UNLESS OTHERWISE SPECIFIED, CONSTRUCT CONCRETE CURBS AND CONCRETE INTEGRAL CURB AND GUTTER WITH CLASS "D" CONCRETE OR APPROVED EQUAL.

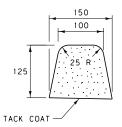
* QUANTITIES FOR ESTIMATING PURPOSES ONLY.

BITUMINOUS CURBS



CURB SECTION

1 m³ OF MATERIAL WILL MAKE
ABOUT 89 METERS OF CURB. *



CURB SECTION

1 m³ OF MATERIAL WILL MAKE
ABOUT 64 METERS OF CURB. *

NOTES:

WHEN CURB IS USED IN CONJUNCTION WITH GUARDRAIL, USE THE 100 mm TYPE. OTHERWISE, THE CONTRACTOR MAY USE EITHER SECTION.

CONFORM ALL MATERIALS AND CONSTRUCTION TO THE STANDARD SPECIFICATIONS FOR BITUMINOUS CURB.

CONCRETE MAY BE SUBSTITUTED FOR THE BITUMINOUS MATERIAL. WHEN CONCRETE IS USED, CONSTRUCT CURB IN ACCORDANCE WITH STANDARD SPECIFICATION 609.

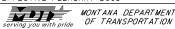
ALL DIMENSIONS ARE MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

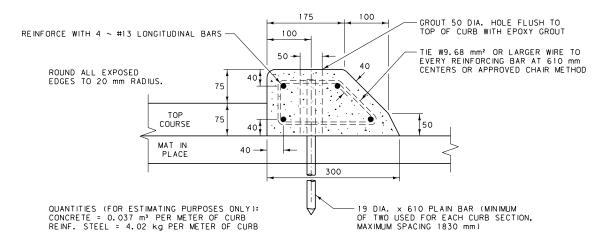
DETAILED DRAWING

REFERENCE STANDARD SPEC. SECTION 609 DWG. NO. 609-05

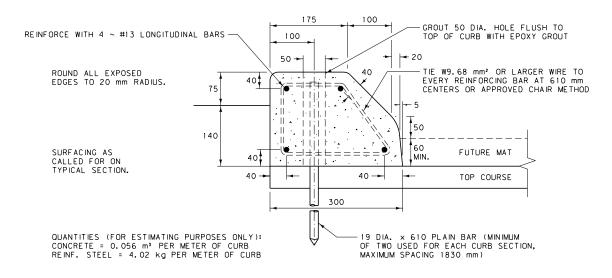
MISCELLANEOUS CURBS

EFFECTIVE: FEBRUARY 2005





TYPE "A" - MAT IN PLACE



TYPE "B" - FUTURE MAT

CONSTRUCTION:

CURBS MAY BE CONSTRUCTED USING ANY OF THE FOLLOWING THREE METHODS: (1) PRECAST

- (2) CAST IN PLACE
 (3) CONSTRUCTED BY THE USE OF AN APPROVED CURB FORMING OR SLIP

WHEN USING EITHER METHOD (2) OR (3), REINFORCING STEEL IS NOT REQUIRED, WITH THE EXCEPTION OF THE PINS, AND THE CURBS ARE SCORED OR SAWN TO A DEPTH OF 25 mm TO FORM CONTRACTION JOINTS AT INTERVALS OF 3000 mm OR LESS. EXTEND 13 mm MIN. WIDTH EXPANSION JOINTS COMPLETELY THROUGH CURB EVERY 30 m (± 10 METERS), AT INTERVALS EQUAL TO THE NEAREST MULTIPLE OF THE CONTRACTION JOINT INTERVAL AND FILL WITH PREFORMED EXPANSION JOINT FILLER MEETING STD. SPEC. 707.

FORM PRECAST CURBS IN THEIR INVERTED POSITION, IN LENGTHS NOT LESS THAN 1220 mm, OR MORE THAN 3050 mm.

CONSTRUCT CURBS OF CLASS "D" CONCRETE, OR AN APPROVED EQUIVALENT MIX.

EPOXY BINDER FOR GROUTING MUST MEET THE REQUIREMENTS OF AASHTO M 235 (ASTM C $881\,\text{)}.$

ALL DIMENSIONS ARE WILLIMETERS (mm) UNLESS OTHERWISE NOTED.

DETAILED DRAWING REFERENCE DWG. NO. 609-10

MEDIAN CONCRETE CURBS

EFFECTIVE: FEBRUARY 2005

SECTION 609

